

**AMENDMENT TRANSMITTAL LETTER (Small Entity)**Applicant(s): **Jacob H. Gunther**

Docket No.

**51764/12**

Application No.

**10/759,626**

Filing Date

**January 16, 2004**

Examiner

**Jefferey F. Harold**

Customer No.

**32642**

Group Art Unit

**2644**

Confirmation No.

**1233**

INVENTION CANCELLATION FILTER

JAN 07 2005

**COMMISSIONER FOR PATENTS:**

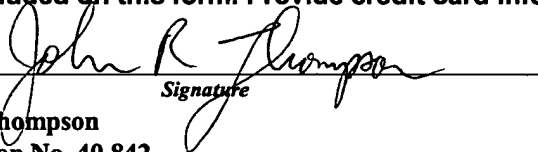
Transmitted herewith is an amendment in the above-identified application.

☒ Applicant claims small entity status. See 37 CFR 1.27

The fee has been calculated and is transmitted as shown below.

**CLAIMS AS AMENDED**

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	25 -	25 =	0	x \$9.00	\$0.00
INDEP. CLAIMS	3 -	3 =	0	x \$44.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00

☒ No additional fee is required for amendment.☐ Please charge Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.☒ The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. **502375**☒ Any additional filing fees required under 37 C.F.R. 1.16.☐ Any patent application processing fees under 37 CFR 1.17.☐ Payment by credit card. Form PTO-2038 is attached.**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**  
Signature

**John R. Thompson**  
Registration No. 40,842  
STOEL RIVES LLP  
One Utah Center  
201 South Main Street, Suite 1100  
Salt Lake City, UT 84111  
Phone: (801) 578-6994  
Facsimile: (801) 578-6999

Dated: **January 7, 2005**

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(Date)

Signature of Person Mailing Correspondence

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CC:

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Jacob H. Gunther**

Docket No.

**51764/12**

Application No.

**10/759,626**

Filing Date

**January 16, 2004**

Examiner

**Jefferey F. Harold**

Customer No.

**32642**

Group Art Unit

**2644**

Invention:

**REHO CANCELLATION FILTER****JAN 07 2005****PATENT & TRADEMARK OFFICE**

I hereby certify that the following correspondence:

**Amendment Transmittal Letter (1 pg.); Response (3 pgs.); and, postcard.***(Identify type of correspondence)*

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**January 7, 2005***(Date)***John R. Thompson***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***ER620042893US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**



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Ifw

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

**Jacob H. Gunther**

Confirmation No. 1233

Application No. 10/759,626

Filed: January 16, 2004

For: **ECHO CANCELLATION FILTER**

Group Art Unit: 2644

Examiner: Jefferey F. Harold

Date: January 7, 2005

RESPONSE

Mail Stop Amendment

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This paper is in response to the October 7, 2004 Office Action. Claims 1-25 are pending in the present application. Claims 1, 2, 4-7, 9, 11-13, 17, 18, 20, 21, and 22 stand ☒ rejected under 35 U.S.C. § 102(b) as being anticipated by United States Patent No. 5,909,646 to Deville ("Deville").

Deville discloses a system for processing input signals formed by instantaneous linear mixtures of primary signals resulting from sources. Deville discloses a separation unit (10) that may include a recursive structure. The present invention discloses cancellation of echoes arising by convolution from far-end signals. Deville separates primary signals in an instantaneous mixture.